

TTK IN DIAGNOSIS AND AS A THERAPEUTIC TARGETS IN CANCER

ABSTRACT OF THE DISCLOSURE

5 The present invention provides methods for identification of cancerous cells by
detection of expression levels of TTK, as well as diagnostic, prognostic and therapeutic
methods that take advantage of the differential expression of these genes in mammalian cancer.
Such methods can be useful in determining the ability of a subject to respond to a particular
therapy, *e.g.*, as the basis of rational therapy. In addition, the invention provides assays for
10 identifying pharmaceuticals that modulate activity of these genes in cancers in which these
genes are involved, as well as methods of inhibiting tumor growth by inhibiting activity of
TTK.

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